ORIGINAL

0000109673

SALT RIVER PROJECT
P. O. Box 52025
Phoenix, AZ 85072-2025
(602) 236-5262
Fax (602) 236-3458
kjbarr@srpnet.com

KELLY J. BARR, ESQ.
Manager, Regulatory Affairs & Contracts

HAND-DELIVERED

April 1, 2010

Arizona Corporation Commission
DOCKETED
APR -1 2010
DOCKETED BY

Docket Control
Arizona Corporation Commission
1200 West Washington Street
Phoenix, AZ 85007-2996

RE: Resource Planning – Historical Information – Docket No. E-00000H-10-0094

To Whom It May Concern:

In accordance with the Arizona Corporation Commission's (the "Commission") request in Decision No. 56381, issued on March 9, 1989, in Docket No. U-2217-88-131, and amended by Procedural Order in Docket No. E-00000A-95-0506, Salt River Project Agricultural Improvement and Power District ("SRP") voluntarily provides the accompanying resource planning information. The information, which consists of *demand side data and supply side data*, has been assembled consistent with the Commission's Resource Planning Rules (A.A.C. R14-2-701 and R14-2-703).

SRP is providing an original and thirteen (13) copies of the information to Docket Control. Confidential and proprietary information has been omitted.

Please address any inquiries regarding the enclosed information to Jana Brandt at (602) 236-5028.

Sincerely,

Kelly J. Barr

Enclosures

RECEIVED
2010 APR -1 A 9:29
AZ CORP COMMISSION
DOCKET CONTROL

SRP's Voluntary Submittal in Response to the Arizona Corporation Commission's Request for Data To Help Develop a Statewide Resource Planning Model

OPEN TO PUBLIC INSPECTION – MARCH 2009 FILING

A. Demand Side Data: Requested within 90 days of March 9, 1989 and by April 1 of each year thereafter:

A.1. Hourly demand for previous calendar year disaggregated by:

A.1.a. Sales to End Users.

SRP does not maintain hourly load data for sales to end-users. No data has been submitted.

A.1.b. Sales for Resale.

SRP does not maintain a summary of hourly demand for sales for resale. No data has been submitted.

A.1.c. Energy losses.

SRP does not maintain hourly load data for energy losses. Energy losses for 2009 are listed in B.2.g.

A.1.d. Other disposition of energy such as energy furnished without charge and energy used by the Utility.

No data has been submitted. SRP does not maintain hourly load data for energy used by the Utility and SRP does not furnish energy without charge.

One of the covenants included in SRP's Bond Offering Official Statement is:

No Free Service: The District will not furnish or supply power or energy free of charge to any person, firm or corporation, public or private, and will promptly enforce payment of any and all accounts owing to the District by reason of the ownership and operation of the Electric System, to the extent dictated by sound business practice.

A.3. Coincident peak demand (megawatts) and energy demand (megawatt hours) by month for the previous 10 calendar years disaggregated by:

Data for calendar years prior to 2009 was provided in previous submittals. Unless otherwise noted, the data supplied in this submittal is for calendar year only.

A.3.a. Customer Class.

No data has been submitted.

A.3.b. Nonresidential customers by type of business.

No data has been submitted.

SRP's Voluntary Submittal in Response to the Arizona Corporation Commission's Request for Data To Help Develop a Statewide Resource Planning Model

OPEN TO PUBLIC INSPECTION – MARCH 2009 FILING

B. Supply Side Data:

B.1. For each generating Unit and purchased power contract for the previous calendar year:

B.1.a. In-service date.

Reference Attachment B.1.a. The in-service dates provided in Attachment B.1.a are the same as those provided in previous SRP voluntary statewide data submittals.

B.1.b. Book life or contract period.

Book Life, as defined by the ACC is: The expected time period over which a power supply source will be available for use by the Utility. Per this definition, none of SRP's existing resources are planned for retirement.

Contract Period: SRP's major purchased power contracts, Arizona Power Authority (APA), Colorado River Storage Project (CRSP), Parker Davis (P-D), Arizona Electric Power Cooperative (AEPCO), Tucson Electric Power Company (TEPCO), and Navajo Surplus had the following contract periods during 2009:

APA:	June 1, 1987 through September 30, 2017.
CRSP:	October 1, 1989 through September 30, 2024.
P-D:	March 1988 through September 30, 2028.
AEPCO:	June 1, 1990 through December 31, 2010.
TEPCO:	June 1, 1990 through May 31, 2011.
NAVAJO SURPLUS:	(150 MW and 200 MW Contracts): May 1, 1993 through September 30, 2011.
NAVAJO SURPLUS:	(CAWCD Contract): June 1, 1994 through September 30, 2011.

COUNTERPARTY A*:	(25 MW) Sept 2006 – Dec. 2009
COUNTERPARTY B*:	(25 MW) July-Sept, 2006-2009 (25 MW) July-Sept, 2006-2009 (50 MW) July-Sept, 2006-2009
COUNTERPARTY C*:	(25 MW) Oct 2006 – Dec 2009
COUNTERPARTY D*:	(10 MW) June 2008 – Dec 2027
COUNTERPARTY E*:	(100 MW) Sept 1, 2006 – Sept 30, 2036
COUNTERPARTY F*:	(63 MW) Sept 2009 – Aug 2029
COUNTERPARTY G*:	(50 MW) July-Sept, 2009-2013

* Counterparty names are withheld due to confidentiality provisions in the contracts.

B.1.c. Capacity in megawatts. (SRP share only)

Reference Attachment B.1.c. Attachment B.1.c. contains a summary of SRP generating unit characteristics. The 'summer' period referenced in this Attachment is defined as the period of May 1 through October 31. The 'winter' period refers to all other months.

B.1.d. Maximum unit or contract Capacity by hour, day, or month if such Capacity varies over the year.

No data has been submitted.

B.1.e. Forced outage rate of generating units.

No data has been submitted.

B.1.f. Average heat rate of generating Units and, if available, heat rates at selected output levels.

No data has been submitted.

B.1.g. Fuel cost for generating Units in dollars per million Btu for each type of fuel.

Reference Attachment B.1.g. Fuel costs for SRP generating units are summarized in Attachment B.1.g. The fuel costs depicted reflect the costs attributed to the purchase of fuel only and do not include costs attributed to fuel handling.

B.1.h. Other variable Operating and Maintenance costs for generating Units in dollars per megawatt hour.

No data has been submitted.

B.1.i. Purchased power energy costs for contract purchases in dollars per megawatt hour.

The following energy rates were in effect during the 2009 calendar year for SRP's major purchased power contracts:

APA:	\$16.86/MWh, January through February \$18.02/MWh, March through September \$15.91/MWh, October through December
CRSP:	\$ 11.06/MWh, January through September \$ 12.19/MWh, October through December
P-D:	\$ 6.14/MWh, January through December
AEPCO:	\$28.32/MWh, January through April \$34.59/MWh, May through August \$35.21/MWh, September through December
TEPCO:	\$21.73/MWh, January through April \$24.49/MWh, May through August \$21.90/MWh, September through December
NAVAJO SURPLUS (CAWCD Contract):	\$28.93/MWh, January through December
IBR-DRY LAKE WIND:	\$70.38/MWh, August through December
SWMP:	\$85.06/MWh, January through December

TSGT SPV#3: $22.70/MWh, January through December

B.1.j. Fixed Operating and Maintenance costs of generating Units in dollars per megawatt for the year.

Actual fixed O&M costs are not readily available. For accounting purposes, SRP tracks total O&M only.

B.1.k. Demand charges for purchased power.

The following demand charges were in effect during the 2009 calendar year for SRP's major purchased power contracts:

APA: $2.37/kW-Month, January through February
$2.54/kW-Month, March through September
$2.52/kW-Month, October through December

CRSP: $4.70/kW-Month, January through September
$8.18/kW-Month, October through December

P-D: $1.98/kW-Month, January through December

AEPCO: $14.71/kW-Month, January through December

TEPCO: $18.50/kW-Month, January through December

NAVAJO SURPLUS (150 MW and 200 MW Contracts):
$6.00/kW-Month, January through December

NAVAJO SURPLUS (CAWCD Contract):
$4.67/kW-Month, January through December

IBR-DRY LAKE WIND: $2.09/kW-Month, September through December
Commercial operation began 9/4/2009.

TSGT SPV#3 $27.05/kW-Month, January through December

Please note: the CRSP demand charge is applied to the maximum seasonal schedule regardless of the actual monthly demand. The CRSP summer season is April through September and the CRSP

winter season is October through March. All other purchased power demand charges can be applied to the actual monthly demands incurred.

B.1.l. Fuel type(s) for generating units.

Reference Attachment B.1.l. The fuel type data provided in Attachment B.1.l is the same as the data provided in previous SRP voluntary statewide data submittals.

B.1.m. Minimum capacity at which the unit would be run or power must be purchased.

No data has been submitted.

B.1.n. Whether, under standard operating procedures, the generating Unit must be run if it is available to run.

Reference Attachment B.1.c. SRP's must run units are identified on Attachment B.1.c.

B.1.o. Maintenance Schedules for SRP generating Units.

Reference Attachment B.1.o.#1 The maintenance dates for SRP participation generating units during calendar year 2009 are identified on Attachment B.1.o.

The maintenance dates for SRP wholly owned generating units during calendar year 2009 are also identified on Attachment B.1.o.#1.

B.1.p. Other data related to generation Units and purchased power contracts, which the utility uses in its production, planning and supply models.

Reference Attachment B.1.p. contains the "Monthly Power Plant Report" for calendar year 2009. In calendar year 2007, the "Monthly Power Plant Report" report filed by SRP in the EIA-906 was discontinued.

B.2. For the power supply system for the previous calendar year a description of:

B.2.a. Unit commitment procedures.

SRP's unit commitment procedures incorporate the following items, all of which influence the choice of generating units for operation.

- Almost all coal units are considered must run units
- Minimum up and down times for gas/oil-fired units
- Relative fuel prices and fuel supplies
- Need for system regulation and voltage control
- Spinning reserve requirements
- Unit heat rates and incremental O&M rates
- Availability of firm purchases
- Firm commitments to others

B.2.b. Production Cost.

SRP Production Costs for the 2009 calendar year were $1,128,655,870. This value includes fuel, purchased power, interchange energy and railcar lease payments, but does not include plant O&M, fuel handling, transmission expenses or cost of falling water.

B.2.c. Reserve Requirements.

During 2009 SRP targeted an Installed Reserve margin of 12%.

B.2.d. Spinning Reserve.

During 2009 SRP utilized a Spinning Reserve Target of 159 MW unloaded generation plus interruptible and 159 MW of loaded.

B.2.e. Reliability of generating, transmission, and distribution systems.

No data has been submitted.

B.2.f. Interchange purchase and sale prices.

During the 2009 calendar year, non-firm sales totaled 33,126,000 kWh while non-firm purchases totaled 12,225,000 kWh. Prices associated with interchange purchases and sales are considered proprietary information, therefore, will not be provided.

B.2.g. Energy losses.

Actual system energy losses for the 2009 calendar year totaled 1,456,254 MWh.

B.3. The level of Cogeneration and other forms of Self Generation in the Utility's service area for the previous calendar year.

In calendar year 2009, there were 10,066 kW of cogeneration and other forms of self-generation in the SRP Service Territory.

B.4. As available, a description and map of the Utility's transmission system, including the Capacity of each segment of the transmission system.

SRP has three voltage levels of transmission: 115kV, 230kV and 500kV.

The purpose of the 115kV system is to transmit hydro generated power to the Phoenix metropolitan area and to deliver power to APS and large SRP mining customers in the Superior - Globe - Winkleman area. Power delivered to APS is for resale to retail customers. A map of the 115kV system is provided as Attachment B.4 #3.

The SRP 230kV system is part of an overall network of SRP, APS and Western 230kV transmission lines that encompasses the Phoenix metropolitan area. The purpose of SRP's 230kV system is to transmit bulk power from Extra High Voltage stations to subtransmission stations around the Phoenix metropolitan area and to transmit power from local generating resources and from the hydro generating resources to the SRP load centers. Extra High Voltage (EHV) systems are typically defined as systems with voltage levels equal to or greater than 345kV. A map of the 230kV system is provided as Attachment B.4 #2 and #3.

The purpose of the EHV system, including SRP's 500kV system, is to deliver bulk power generated at remote locations to the SRP load centers in the Phoenix metropolitan area and the 115kV system, provide mutual emergency assistance between neighboring systems when required, allow for sales and purchases of excess power and energy when it is economical or necessary, and wheel power and energy for others. A map of the 500kV system is provided as Attachment B.4 #1 and a map of the eastern mining area system is provided as Attachment B.4 #4.

SRP is party to the West connect Regional Planning Project Agreement and provides wholesale transmission service under its Board-approved Open Access Transmission Tariff ("OATT") (see http://www.oatioasis.com/SRP/index.html). Pursuant to these agreements, which carry forward SRP's long history of collaborative transmission planning, SRP actively participates in local, sub-regional and region-wide transmission planning activities with other Western Interconnection transmission providers and interested parties. These activities provide opportunities for stakeholder visibility of,

involvement in and input to transmission planning efforts at the 115 kV, 230 kV and 500 kV voltage levels. See also http://www.westconnect.com/planning.php.

SRP is a participant in the wesTTrans OASIS platform (operated by OATI), on which it posts Available Transfer Capability for its commercial transmission paths.

The capacity of each segment of the transmission system is provided as Attachment B.4 #4.

B.5. New information requested to supplement previous submittals.

B.5.a. Short-term firm purchases maximum hourly demand (MW) by month for the previous calendar year and short-term firm purchases total energy (MWh) for the previous calendar year.

No data has been submitted.

B.5.b. Unit Performance Data

No data has been submitted.

B.5.c. Forward Looking Maintenance Schedule

No data has been submitted.

B.5.d. Renewable Resource Database

Reference Attachment B.5.d. Attachment B.5.d contains a summary of SRP's existing renewable resources.

B.5.e. Qualifying Facilities

SRP evaluates QF proposals on a case-by-case basis. To provide a general feel for the type of rates SRP might offer a QF, a copy of the standard buyback rate that SRP currently offers its customers is provided as Attachment B.5.e. SRP revises this rate periodically. The Current Buyback Service Rider became effective May 1, 2008. The capacity and energy components in the current rate are based on market prices.

NON-CONFIDENTIAL

ATTACHMENTS

IN-SERVICE DATES

STEAM PLANTS

Kyrene

Unit #1	July 1, 1952
Unit #2	June 15, 1954

Agua Fria

Unit #1	January 1, 1958
Unit #2	April 1, 1957
Unit #3	April 1, 1961

GAS TURBINE PLANTS

Kyrene

Unit #4	December 21, 1971
Unit #5	July 4, 1973
Unit #6	June 23, 1973
Unit #7	November 12, 2002

Agua Fria

Unit #4	May 1, 1975
Unit #5	July 2, 1974
Unit #6	July 25, 1974

COMBINED CYCLE PLANT

Santan[1]

Unit #1	October 16, 1974
Unit #2	December 31, 1974
Unit #3	October 17, 1974
Unit #4	May 8, 1975
Unit #5	March 31, 2005
Unit #6	March 1, 2006

[1] Plant gas conversion completed on April 16, 1982. First gas burned on April 29, 1982.

Desert Basin	
Unit 1	October 16, 2003

HYRDO PLANTS

Roosevelt	
Original Unit Commercial	1907
Unit #1	March 22, 1973
Horse Mesa	
Unit #1 Original Unit Commercial	1927
Unit #2 Original Unit Commercial	1927
Unit #3 Original Unit Commercial	1927
Unit #1 Converted to 60 Hz	March 25, 1972
Unit #2 Converted to 60 Hz	April 5, 1972
Unit #3 Converted to 60 Hz	April 11, 1972
Unit #4	June 27, 1972
Mormon Flat	
Unit #1 Original Unit Commercial	1926
Unit #1 Converted to 60 Hz	February 27, 1971
Unit #2	June 1, 1971
Stewart Mountain	
Unit #1 Original Unit Commercial	1930
Unit #1 Converted to 60 Hz	March 1963
Crosscut	
Canal Unit	1939
South Consolidated	
Canal Unit	September 1, 1981
Arizona Falls	
Canal Unit	November 1, 2003

STEAM PLANTS (PARTICIPATION)

Four Corners Project	
Unit #4	July 1, 1969
Unit #5	July 1, 1970
Mohave Project[2]	
Unit #1	April 1, 1971
Unit #2	October 1, 1971
Navajo Project	
Unit #1	May 31, 1974
Unit #2	April 1, 1975
Unit #3	April 30, 1976
Hayden	
Unit #2	September 1, 1976[3]
Coronado Project[4]	
Unit #1	December 31, 1979
Unit #2	October 31, 1980
Craig	
Unit #1	January 1, 1981[5]
Unit #2	December 31, 1979[6]

[2] SRP's share increased from 10% to 20% effective October 1, 2001. Mohave Generating Station ceased operations on December 31, 2005. In June 2006 all participants, except for SRP, decided to no longer pursue a restart of the plant. In February 2007, SRP ended efforts to restart the plant.

[3] SRP Entitlement Share decreased from 80% to 50% effective January 1, 1982.

[4] SRP recaptured 100% of Coronado on January 30, 1986.

[5] Colorado-Ute considers August 12, 1980, as the date of commercial operation; Platte River Power Authority, September 12, 1980; and Tri-State, December 1, 1980.

[6] Colorado-Ute and Tri-State consider November 19, 1979, as the date of commercial operation; Platte River Power Authority considers December 12, 1979, as date of commercial operation.

Palo Verde

Unit #1	January 30, 1986
Unit #2	September 20, 1986
Unit #3	January 31, 1988

SRP GENERATING UNIT CHARACTERISTICS
(CALENDAR YEAR 2009)

	NET CAP (MW)		
	Summer	Winter	Must Run
Agua Fria 1	113	114	No
Agua Fria 2	113	114	No
Agua Fria 3	181	184	No
Agua Fria 4	73	87	No
Agua Fria 5	73	82	No
Agua Fria 6	73	82	No
Kyrene 1	34	34	No
Kyrene 2	72	72	No
Kyrene 4	59	63	No
Kyrene 5	53	62	No
Kyrene 6	53	62	No
Kyrene 7	250	250	No
Santan 1	92	103	No
Santan 2	92	103	No
Santan 3	92	103	No
Santan 4	92	103	No
Santan 5	582	626	No
Santan 6	277	301	No
Desert Basin	577	600	No
Roosevelt	36	36	No
Horse Mesa 1	10	10	No
Horse Mesa 2	10	10	No
Horse Mesa 3	10	10	No
Horse Mesa 4	119	119	No
Mormon Flat 1	10	11	No
Mormon Flat 2	57	57	No
Stewart Mtn	13	0	No
Crosscut Hydro	3	0	No
South Con Hydro	1	0	No
Arizona Falls	0.7	0.7	No
Coronado 1	384	384	Yes
Coronado 2	389	389	Yes
Craig 1	124	124	Yes
Craig 2	124	124	Yes
Four Corners 4	75	77	Yes
Four Corners 5	77	77	Yes
Hayden 2	131	131	Yes
Mohave 1	0	0	No
Mohave 2	0	0	No
Navajo 1	163	163	Yes
Navajo 2	163	163	Yes
Navajo 3	163	163	Yes
Palo Verde 1	229	233	Yes
Palo Verde 2	229	234	Yes
Palo Verde 3	230	233	Yes
Fuel Cells	0.25	0.25	No
Photo Voltaics	0.9	0.9	No
Tri-Cities 1	0.8	0.8	No
Tri-Cities 2	0.8	0.8	No
Tri-Cities 3	0.8	0.8	No
Tri-Cities 4	0.8	0.8	No
Tri-Cities 5	0.8	0.8	No
	5,706.85	**5,898.85**	

SRP GENERATING UNIT CHARACTERISTICS
(Calendar Year 2009)

Fuel Costs ($/MMBTU)

UNIT	GAS	OIL	COAL	NUCLEAR
AGUA FRIA #1	$3.31 1/	N/A	N/A	N/A
AGUA FRIA #2	$3.32 1/	N/A	N/A	N/A
AGUA FRIA #3	$3.30 1/	N/A	N/A	N/A
AGUA FRIA #4	$3.19 1/	N/A	N/A	N/A
AGUA FRIA #5	$3.17 1/	N/A	N/A	N/A
AGUA FRIA #6	$3.25 1/	N/A	N/A	N/A
KYRENE #1	N/A	N/A	N/A	N/A
KYRENE #2	N/A	N/A	N/A	N/A
KYRENE #4	$3.14 1/	N/A	N/A	N/A
KYRENE #5	$4.34 1/	N/A	N/A	N/A
KYRENE #6	$4.59 1/	N/A	N/A	N/A
KYRENE #7	$3.69 1/	N/A	N/A	N/A
SANTAN #1	$3.43 1/	N/A	N/A	N/A
SANTAN #2	$3.41 1/	N/A	N/A	N/A
SANTAN #3	$3.71 1/	N/A	N/A	N/A
SANTAN #4	$3.42 1/	N/A	N/A	N/A
SANTAN #5	$3.50 1/	N/A	N/A	N/A
SANTAN #6	$3.30 1/	N/A	N/A	N/A
DESERT BASIN 1 & 2	$3.75 1/	N/A	N/A	N/A
ROOSEVELT	N/A	N/A	N/A	N/A
HORSE MESA 1	N/A	N/A	N/A	N/A
HORSE MESA 2	N/A	N/A	N/A	N/A
HORSE MESA 3	N/A	N/A	N/A	N/A
HORSE MESA 4	N/A	N/A	N/A	N/A
MORMON FLAT 1	N/A	N/A	N/A	N/A
MORMON FLAT 2	N/A	N/A	N/A	N/A
STEWART MOUNTAIN	N/A	N/A	N/A	N/A
CROSSCUT HYDRO	N/A	N/A	N/A	N/A
SOUTH CON HYDRO	N/A	N/A	N/A	N/A
CRAIG 1	$4.44	N/A	$1.60	N/A
CRAIG 2	$4.44	N/A	$1.60	N/A
CORONADO 1	N/A	$8.40	$1.66	N/A
CORONADO 2	N/A	$8.40	$1.66	N/A
FOUR CORNERS 4 2/	N/A	N/A	N/A	N/A
FOUR CORNERS 5 2/	N/A	N/A	N/A	N/A
HAYDEN 2	N/A	$21.98	$1.47	N/A
MOHAVE 1	N/A	N/A	N/A	N/A
MOHAVE 2	N/A	N/A	N/A	N/A
NAVAJO 1	N/A	$17.35	$1.67	N/A
NAVAJO 2	N/A	$17.35	$1.67	N/A
NAVAJO 3	N/A	$17.35	$1.67	N/A
PALO VERDE 1 2/	N/A	N/A	N/A	N/A
PALO VERDE 2 2/	N/A	N/A	N/A	N/A
PALO VERDE 3 2/	N/A	N/A	N/A	N/A
SPRINGERVILLE 4 4/	N/A	N/A	N/A	N/A

1/ Gas prices do not include fixed transportation costs of
$65,157,133 during Calendar Year 2009.

2/ APS will report figures for Four Corners and Palo Verde.

3/ Oil burned at Agua Fria was insignificant.
****Dollars may represent fuel purchased and expensed,but not yet burned.

4/ TEP will report figures for Springerville 4.

Unit Fuel Types

Generating Unit	**Fuel**
Agua Fria 1-3	Natural Gas or Diesel (2)
Agua Fria 4-6	Natural Gas or Diesel (2)
Kyrene 1-2	Natural Gas or Diesel (2)
Kyrene 4-7	Natural Gas or Diesel (2)
Santan 1-6	Natural Gas
Desert Basin	Natural Gas
Four Corners 4, 5	Coal
Navajo 1-3	Coal
Hayden 2	Coal
Craig 1,2	Coal
Coronado 1,2	Coal
Palo Verde 1-3	Nuclear
Roosevelt	Hydro
Horse Mesa 1-4	Hydro
Mormon Flat 1-2	Hydro
Stewart Mountain	Hydro
Cross Cut	Hydro
South Consolidated	Hydro
Arizona Falls	Hydro

SRP GENERATING UNIT MAINTENANCE SCHEDULE
(CALENDAR YEAR 2009)

See Attachment B.5.b, Unit Performance Data

for the following units' 2009

planned outages (PO entries on schedule) +

outage extension (SE) +

planned outage extension (SX)

Agua Fria
Kyrene
Santan
Roosevelt
Horse Mesa
Mormon Flat
Stewart Mtn
Coronado
Navajo

Participation Plants

	Start Date	End Date
Craig 1		
Craig 2		
Four Corners 4	February 3, 2009	February 13, 2009
Four Corners 5	October 20, 2009	October 31, 2009
Hayden 2		
Palo Verde 1		
Palo Verde 2	October 3, 2009	December 2, 2009
Palo Verde 3	April 3, 2009	May 28, 2009

	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/MCF /TONS	Consumed Coal	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	Jan-2009	-	(186)	-							
AF2	Jan-2009	-	(200)	-							
AF3	Jan-2009	-	(256)	-							
AFGT	Jan-2009		(114)								
AFSV	Jan-2009										
AF			(756)					0		132293	
CO1	Jan-2009	316,679	283,365			164564		6			
CO2	Jan-2009	316,896	283,490			161489		278		7493	Oil
CO		633,575	566,855		17.8	326,053		284	5.78	287,816	Coal-Flyover adjustme 74,410 tons
DB GT (CT)	Jan-2009	12,606	10,730	138,094							
DB STM (CA)	Jan-2009	7,273	7,273	3,676							
DB DB1	Jan-2009										
DB DB2	Jan-2009										
DB PLT	Jan-2009	19,879	18,003	141,770	1.035						
HM 123	Jan-2009	1,042	979								
HM 4	Jan-2009	11,625	(1,516)				12867				
KY 1	Jan-2009	-	-	-							
KY 2	Jan-2009	-	(66)	-							
KY GT	Jan-2009		(152)								
KY 7 GT (CT)	Jan-2009	46,621	45,547	506,980							
KY7 STM (CA)	Jan-2009	22,282	21,567	2,302							
KY PLNT	Jan-2009	68,903	66,896	509,282	1.025					6,030	
MF1	Jan-2009	268	259								
MF2	Jan-2009	6,089	(804)				6674				
NA1	Jan-2009	573,488	531,155			245442		61			
NA2	Jan-2009	481,487	447,405			208079		2571			
NA3	Jan-2009	413,536	383,115			168866		1037		37,801	Oil
NA		1,468,511	1,361,675			622,387	21.50	3,669	5.78	741,918	Coal
ST1-4 (CS)	Jan-2009	10,173	8,656	92,904							
ST5 STM	Jan-2009	54,478	52,682	48,089							
ST5 DB1 (CA5A)	Jan-2009										
ST5 DB2 (CA5B)	Jan-2009										
ST6 STM (CA6A)	Jan-2009	18,136	17,225	11,561							
ST56 GT (CT)	Jan-2009	125,475	121,433	1,270,668							
ST PLT	Jan-2009	208,262	199,996	1,423,222	1.035						

	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTU/MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	Feb-2009	-	(165)	-							
AF2	Feb-2009	-	(176)	-							
AF3	Feb-2009	928	425	10,625							
AFGT	Feb-2009		(96)								
AF		928	(12)	10,625	1.07					132293	
AFSV	Feb-2009										
CO1	Feb-2009	226,971	202,303			122743		1745			
CO2	Feb-2009	281,861	250,987			146609		97		5651	Oil
CO		508,832	453,290			269352		1842	5.78	391,878	Coal
DB GT (CT)	Feb-2009	16,819	15,208	183,423							
DB STM (CA)	Feb-2009	9,804	9,804	4,288							
DB DB1	Feb-2009										
DB DB2	Feb-2009										
DB PLT	Feb-2009	26,623	25,012	187,711	1.028						
HM 123	Feb-2009	1,540	1,484								
HM 4	Feb-2009	15,991	14,174				1589				
KY 1	Feb-2009	-	(2)	-							
KY 2	Feb-2009	-	(61)	-							
KY GT	Feb-2009		(135)	72							
KY 7 GT (CT)	Feb-2009	45,599	44,554	490,548							
KY7 STM (CA)	Feb-2009	22,632	21,936	2,724							
KY PLNT	Feb-2009	68,231	66,292	493,344	1.027					6030	
MF1	Feb-2009	628	620								
MF2	Feb-2009	8,711	7,494				1109				
NA1	Feb-2009	508,055	470,197			216857		0			
NA2	Feb-2009	521,983	485,667			226717		17			
NA3	Feb-2009	-	-			0		0		37784	Oil
NA		1,030,038	955,864		21.6	443574		17	5.8	725,265	Coal
ST1-4 (CS)	Feb-2009	5,417	4,181	50,851							
ST5 STM	Feb-2009	53,155	50,776	49,392							
ST5 DB1 (CA5A)	Feb-2009										
ST5 DB2 (CA5B)	Feb-2009										
ST6 STM (CA6A)	Feb-2009	36,930	36,131	23,774							
ST56 GT (CT)	Feb-2009	151,116	147,836	1,585,274							
ST PLT	Feb-2009	246,618	238,924	1,709,291	1.09						

	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTU/MCF/TONS	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	Mar-2009	-	(131)	-							
AF2	Mar-2009	-	(188)	-							
AF3	Mar-2009	-	(263)	-							
AFGT	Mar-2009		(105)								
AF										119474	5836 bbls transferred CGS
AFSV	Mar-2009	41	41								6983 bbls Transferred SGS
								212	Aux		
CO1	Mar-2009	273,380	243,913			142407		154			
CO2	Mar-2009	250,025	222,679			127626		1611		9511	Oil - 5836 transferred from AF
CO						270033		1977	5.79	512674	Coal
DB GT (CT)	Mar-2009	61,660	58,365	683,004							
DB STM (CA)	Mar-2009	38,173	38,173	24,178							
DB DB1	Mar-2009		11,128								
DB DB2	Mar-2009		13,050								
DB PLT	Mar-2009	99,833	96,538	707,182							
HM 123	Mar-2009	9,641	9,578								
HM 4	Mar-2009	9,863	9,516				0				
KY 1	Mar-2009	-	(13)	-							
KY 2	Mar-2009	-	(60)	-							
KY GT	Mar-2009		(141)								
KY 7 GT (CT)	Mar-2009	-	(101)	-							
KY7 STM (CA)	Mar-2009	-	(69)	-							
KY PLNT	Mar-2009		(384)							6030	
MF1	Mar-2009	3,870	3,861								
MF2	Mar-2009	5,949	5,794				0				
NA1	Mar-2009	508,372	469,482			218414		1604			
NA2	Mar-2009	512,494	475,662			230872		1445			
NA3	Mar-2009	22,325	15,102			9844		4678		30057-O	
NA						459130		7727	5.79	755293-C	
ST1-4 (CS)	Mar-2009	10,697	9,315	95,642							
ST5 STM	Mar-2009	116,498	113,510	88,600							
ST5 DB1 (CA5A)	Mar-2009										
ST5 DB2 (CA5B)	Mar-2009										
ST6 STM (CA6A)	Mar-2009	33,667	32,828	15,687							
ST56 GT (CT)	Mar-2009	243,778	239,560	2,607,565							
ST PLT	Mar-2009	404,640	395,213	2,807,494							

	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTUBTU	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	Apr-2009	-	(170)	-							
AF2	Apr-2009	-	(207)	-							
AF3	Apr-2009	-	(245)	-							
AFGT	Apr-2009		(100)								
AF										114950	4524 bbls transferred
AFSV	Apr-2009										SGS
CO1	Apr-2009	-	-			0		0			
CO2	Apr-2009	297,095	263,698			153188		517		8994-O	
CO						153188		517	5.78	695958-C	17387 reclaimed after flyover 4/18/09
DB GT (CT)	Apr-2009	22,893	21,011	244,854							
DB STM (CA)	Apr-2009	12,677	12,677	8,632							
DB DB1	Apr-2009			-							
DB DB2	Apr-2009			8,632							
DB PLT	Apr-2009	35,570	33,688	253,486	1,026						
HM 123	Apr-2009	3,286	3,240								
HM 4	Apr-2009	14,231	8,721				5096				
KY 1	Apr-2009	-	(12)	-							
KY 2	Apr-2009	-	(54)	-							
KY GT	Apr-2009	302	179	4,571							
KY 7 GT (CT)	Apr-2009	5,236	4,977	58,586							
KY7 STM (CA)	Apr-2009	2,649	2,472	377							
KY PLNT	Apr-2009	8,187	7,562	63,534	1,027					6030	
MF1	Apr-2009	1,385	1,377								
MF2	Apr-2009	8,273	4,585				3491				
NA1	Apr-2009	537,986	497,406			233,935		53			
NA2	Apr-2009	453,292	430,036			201,610		968			
NA3	Apr-2009	389,950	361,666			164,816		4,410		24626-O	
NA						600,361		5,431	5.79	794082-C	
ST1-4 (CS)	Apr-2009	19,857	18,254	180,381							
ST5 STM	Apr-2009	79,787	77,010	93,224							
ST5 DB1 (CA5A)	Apr-2009			45,627							
ST5 DB2 (CA5B)	Apr-2009			47,597							
ST6 STM (CA6A)	Apr-2009	45,670	44,666	39,884							
ST56 GT (CT)	Apr-2009	190,029	185,607	2,077,991							
ST PLT	Apr-2009	335,343	325,537	2,391,480	1,024						

2010, 5

	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTU/MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	May-2009	2,519	2,020	25,373							
AF2	May-2009	2,829	2,281	28,817							
AF3	May-2009	10,222	9,006	103,503							
AFGT	May-2009	2,397	2,276	36,446							
AF				194,139	1.017					113700	1250 transf
AFSV	May-2009		42								CGS
CO1	May-2009	80,493	69,934			43712		3873			
CO2	May-2009	305,188	271,062			160149		219		5976-O	
CO					17.8	203861		4092	5.8	825630-C	
DB GT (CT)	May-2009	53,405	50,158	585,233							
DB STM (CA)	May-2009	33,782	33,782	37,620							
DB DB1	May-2009			-							
DB DB2	May-2009			37,620							
DB PLT	May-2009	87,187	83,940	622,853	1.025						
HM 123	May-2009	3,237	3,175								
HM 4	May-2009	20,005	375				19429				
KY 1	May-2009	-	(11)	-							
KY 2	May-2009	-	(60)	-							
KY GT	May-2009	510	413	7,521							
KY 7 GT (CT)	May-2009	65,348	64,040	707,651							
KY7 STM (CA)	May-2009	34,479	33,608	12,104							
KY PLNT	May-2009	100,337	97,990	727,276	1.019					6030	
MF1	May-2009	1,118	1,110								
MF2	May-2009	10,770	(14)				10646				
NA1	May-2009	565,542	524,441			244182		43			
NA2	May-2009	577,204	529,041			245338		30			
NA3	May-2009	570,892	532,781			240918		54		34587-O	
NA					21	730,438		127	5.79	747968-C	
ST1-4 (CS)	May-2009	58,663	56,465	520,717							
ST5 STM	May-2009	122,173	119,431	167,842							
ST5 DB1 (CA5A)	May-2009		81,297								
ST5 DB2 (CA5B)	May-2009		86,401								
ST6 STM (CA6A)	May-2009	64,934	62,853	74,730							
ST56 GT (CT)	May-2009	269,687	265,365	2,941,849							
ST PLT	May-2009	515,457	504,114	3,705,138	1.02						

	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Jun-2009	1,630	1,266	17,180						
AF2	Jun-2009	1,454	1,104	15,452						
AF3	Jun-2009	3,107	2,618	32,347						
AFGT	Jun-2009	820	701	11,404				6	5.87	
AF				76,383	1.016					101,591
AFSV	Jun-2009	-	-							
CO1	Jun-2009	274,026	244,001			140097		533		
CO2	Jun-2009	274,147	243,739			143928		911		9306-O
CO					17.7	284025		1444	5.8	731283 - C
DB GT (CT)	Jun-2009	41,346	38,584	459,505						
DB STM (CA)	Jun-2009	26,240	26,240	30,948						
DB DB1	Jun-2009			14,370						
DB DB2	Jun-2009			16,577						
DB PLT	Jun-2009	67,586	64,824	490,453	1.022441789					
HM 123	Jun-2009	4,298	4,243							
HM 4	Jun-2009	22,378	8,944				13284			
KY 1	Jun-2009	-		-						
KY 2	Jun-2009	-		-						
KY GT	Jun-2009	29	4	426	1.021126761					
KY 7 GT (CT)	Jun-2009	32,267	31,350	393,349	1.017856916					
KY7 STM (CA)	Jun-2009	17,096	16,485	7,755	1.018052869					
KY PLNT	Jun-2009	49,392	47,839	401,530	3.057036546					6030
MF1	Jun-2009	1,350	1,343							
MF2	Jun-2009	12,003	5,045				6827			
NA1	Jun-2009	483,898	446,568			212737		1,212		
NA2	Jun-2009	529,342	490,008			233903		251		
NA3	Jun-2009	428,321	397,038			185922		3206		29918-O
NA					21.58	632562		4,669	5.73	811546 - C
ST1-4 (CS)	Jun-2009	30,600	28,774	262,326						
ST5 STM	Jun-2009	74,815	71,301	74,341						
ST5 DB1 (CA5A)	Jun-2009			39,034						
ST5 DB2 (CA5B)	Jun-2009			35,307						
ST6 STM (CA6A)	Jun-2009	39,830	38,319	39,091						
ST56 GT (CT)	Jun-2009	170,905	167,309	1,922,459						
ST PLT	Jun-2009	316,150	305,703	2,298,217	1.023048784					

	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Jul-2009	6,990	6,007	72,440						
AF2	Jul-2009	6,089	5,064	64,393						
AF3	Jul-2009	18,221	16,476	184,715						
AFGT	Jul-2009	119	46	2,948				0		
AF				324,496	1.0165					101,246
AFSV	Jul-2009	-	-							
CO1	Jul-2009	234,363	208,256			122462		1704		
CO2	Jul-2009	307,201	273,388			163889		131		7505-O
CO					17.61	286351		1835	5.8	750283-C
DB GT (CT)	Jul-2009	109,084	104,201	1,201,690.35						
DB STM (CA)	Jul-2009	69,524	69,524	69939.65						
DB DB1	Jul-2009			38148.9						
DB DB2	Jul-2009			31790.75						
DB PLT	Jul-2009	178,608	173,725	1,271,630.00	1.02					
HM 123	Jul-2009	3,213	3,144							
HM 4	Jul-2009	25,395	15,034				10161			
KY 1	Jul-2009	-		-						
KY 2	Jul-2009	-		-						
KY GT	Jul-2009	105	79	1,460						
KY 7 GT (CT)	Jul-2009	83,605	81,965	909,353						
KY7 STM (CA)	Jul-2009	43,908	42,817	13,358						
KY PLNT	Jul-2009	127,618	124,861	924,171	1.019					6030
MF1	Jul-2009	1,153	1,145							
MF2	Jul-2009	13,048	8,222				4706			
NA1	Jul-2009	570,308	529,156			248009		91		
NA2	Jul-2009	584,992	542,906			253963		20		
NA3	Jul-2009	490,378	455,746			209103		1665		28142-O
NA					21.53	711075		1,776	5.78	783491-C
ST1-4 (CS)	Jul-2009	62,259	59,872	520,253						
ST5 STM	Jul-2009	130,487	127,122	151,648						
ST5 DB1 (CA5A)	Jul-2009			74,278						
ST5 DB2 (CA5B)	Jul-2009			77,371						
ST6 STM (CA6A)	Jul-2009	61,973	59,764	62,641						
ST56 GT (CT)	Jul-2009	278,098	274,099	3,066,238						
ST PLT	Jul-2009	532,817	520,857	3,800,780	1.022					

	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Aug-2009	1,794	1,186	19,542						
AF2	Aug-2009	4,137	3,176	46,410						
AF3	Aug-2009	9,501	8,121	97,660						
AFGT	Aug-2009	560	440	9,613				0		
AF				173,225	1.015					95,651
AFSV	Aug-2009	-	-							
CO1	Aug-2009	288,308	256,258			146830		1229		
CO2	Aug-2009	298,842	266,252			156827		99		8677-O
CO					17.72	303657		1328	5.8	752860-C
DB GT (CT)	Aug-2009	79,690	75,614	883964.64						
DB STM (CA)	Aug-2009	51,533	51,533	58428.37						
DB DB1	Aug-2009			28931.47						
DB DB2	Aug-2009			29496.9						
DB PLT	Aug-2009	131,223	127,147	942393.01	1.019					
HM 123	Aug-2009	4,411	4,337							
HM 4	Aug-2009	24,951	13,788				11003			
KY 1	Aug-2009	-		-						
KY 2	Aug-2009	-		-						
KY GT	Aug-2009	202	157	2,815						
KY 7 GT (CT)	Aug-2009	66,478	65,063	735,267						
KY7 STM (CA)	Aug-2009	34,422	33,475	11,081						
KY PLNT	Aug-2009	101,102	98,695	749,163	1.02					6030
MF1	Aug-2009	1,522	1,514							
MF2	Aug-2009	13,071	7,607				5353			
NA1	Aug-2009	564,710	522,450			248772		591		
NA2	Aug-2009	510,667	474,480			225235		925		
NA3	Aug-2009	585,507	545,620			252683		93		26533-O
NA					21.54	726690		1,609	5.78	804191-C
ST1-4 (CS)	Aug-2009	42,920	40,779	376,880						
ST5 STM	Aug-2009	120,791	117,512	148,298						
ST5 DB1 (CA5A)	Aug-2009			73,767						
ST5 DB2 (CA5B)	Aug-2009			74,531						
ST6 STM (CA6A)	Aug-2009	47,233	45,197	55,528						
ST56 GT (CT)	Aug-2009	238,374	234,012	2,624,940						
ST PLT	Aug-2009	449,318	437,500	3,205,646	1.025					

	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTU/MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Sep-2009	752	387	8,446						
AF2	Sep-2009	952	483	9,947						
AF3	Sep-2009	5,176	4,351	52,898						
AFGT	Sep-2009	1,721	1,609	25,248						
AF				96,539	1.017			0		95651- O
AFSV	Sep-2009	-	-							
CO1	Sep-2009	191,983	170,458	-		97951		1231		
CO2	Sep-2009	287,364	255,886	-		151188		266		7180-O
CO						249139		1497	5.8	752860-C
DB GT (CT)	Sep-2009	92,342	87,954	1,018,974						
DB STM (CA)	Sep-2009	59,732	59,732	67,194						
DB DB1	Sep-2009			35,923						
DB DB2	Sep-2009			31,271						
DB PLT	Sep-2009	152,074	147,686	1,086,168	1.022					
HM 123	Sep-2009	3,875	3,815							
HM 4	Sep-2009	23,135	9,944	-			13026			
KY 1	Sep-2009	-		-						
KY 2	Sep-2009	-		-						
KY GT	Sep-2009	1,201	1,103	17,161						
KY 7 GT (CT)	Sep-2009	64,669	63,290	707,031						
KY7 STM (CA)	Sep-2009	33,384	32,460	8,210						
KY PLNT	Sep-2009	99,254	96,853	732,402	1.017					6030
MF1	Sep-2009	1,481	1,473	-						
MF2	Sep-2009	11,629	5,697	-			5826			
NA1	Sep-2009	550,505	510,572	-		241563		24		
NA2	Sep-2009	554,072	515,272	-		243500		792		
NA3	Sep-2009	543,989	507,232	-		232822		993		24724-O
NA					21.51	717885		1,809	5.78	794851-C
ST1-4 (CS)	Sep-2009	42,588	40,604	374,097						
ST5 STM	Sep-2009	99,345	95,838	127,664						
ST5 DB1 (CA5A)	Sep-2009									
ST5 DB2 (CA5B)	Sep-2009									
ST6 STM (CA6A)	Sep-2009	52,843	51,566	58,170						
ST56 GT (CT)	Sep-2009	222,411	217,895	2,421,364						
ST PLT	Sep-2009	417,187	405,903	2,981,295	1.023					

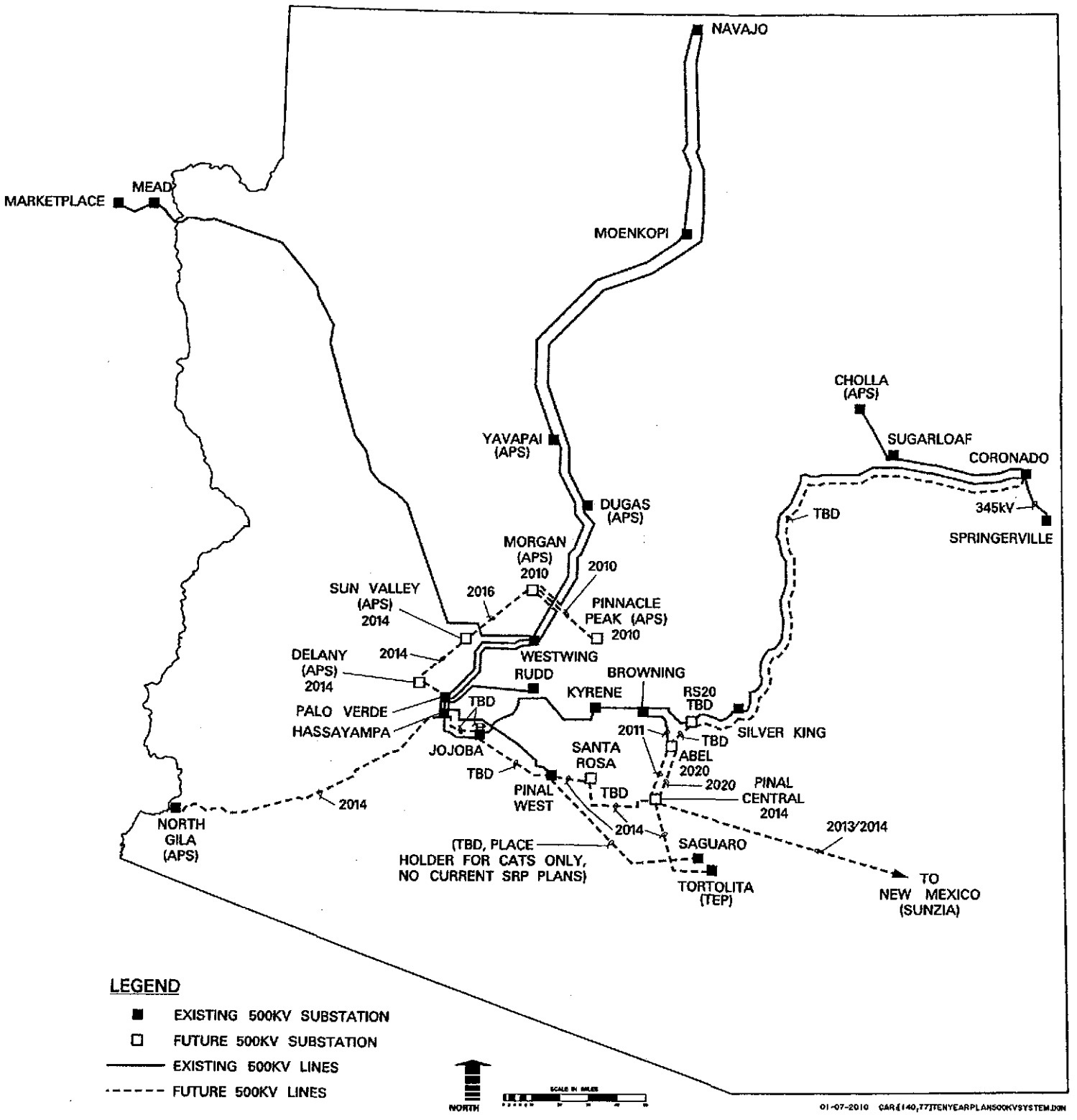
2010, 10

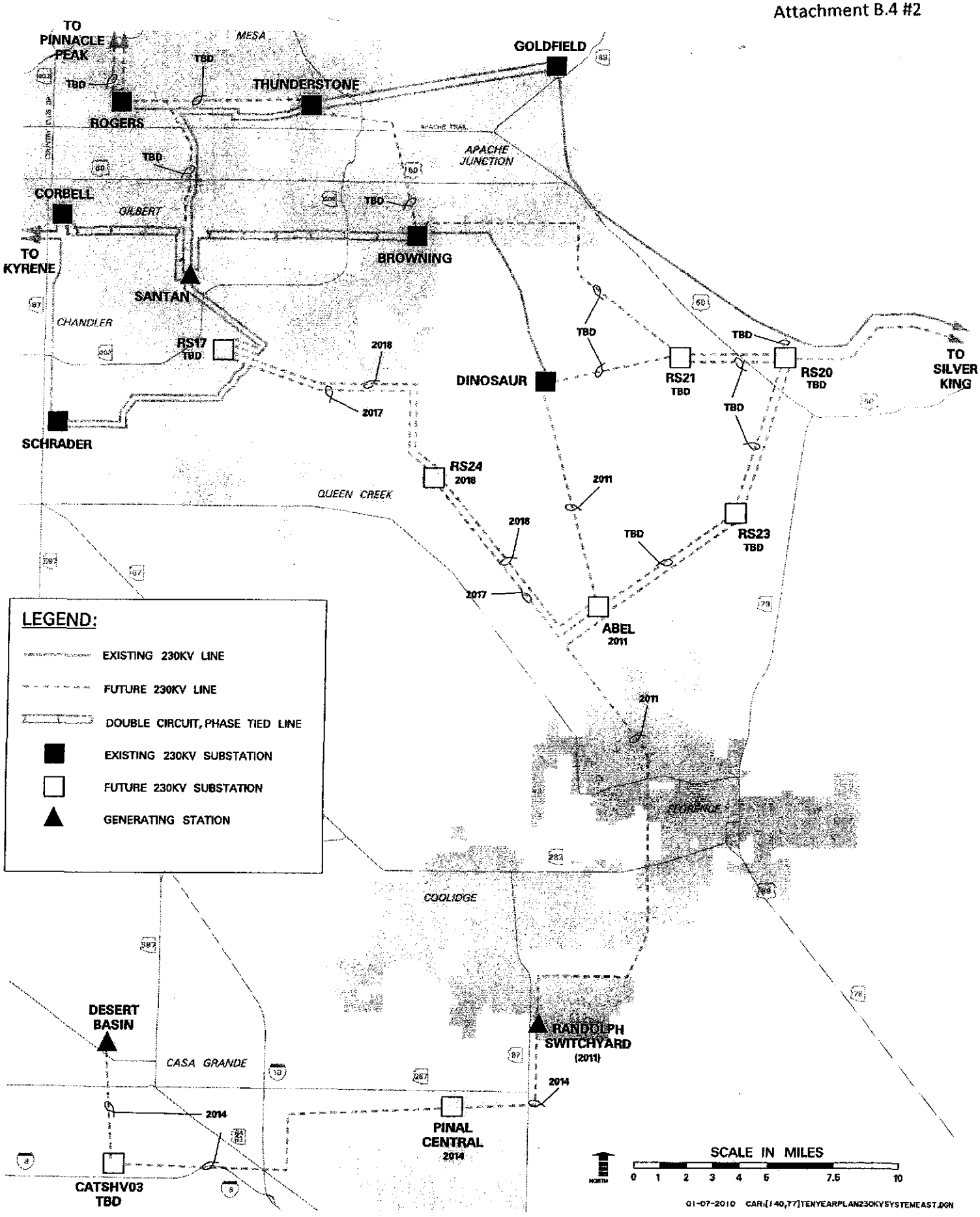
	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ MCF/TON	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK	
AF1	Oct-2009	-	(133)	-							95651
AF2	Oct-2009	-	(229)	-							(16,332) SGS
AF3	Oct-2009	-	(199)	-							-6043 CGS
AFGT	Oct-2009		(108)					0			73276
AF			(669)							73276- O	
AFSV	Oct-2009	-	-								
											7114 Sounding F
CO1	Oct-2009	309,209	276,044	-		158118		112			6043 AFGS
CO2	Oct-2009	262,468	234,154	-		133976		1382		11768-O	105 Used
CO		571,677	510,198		18.6	292094		1494	5.8	821972-C	13262
											-1494 Burned
											11768
DB GT (CT)	Oct-2009	93,485	89,135	1,047,517							
DB STM (CA)	Oct-2009	55,954	55,954	28,521							
DB DB1	Oct-2009			13,645							
DB DB2	Oct-2009			14,876							
DB PLT	Oct-2009	149,439	145,089	1,076,038	1.021						
HM 123	Oct-2009	380	327								
HM 4	Oct-2009	8,241	1,555	-			6369				
KY 1	Oct-2009	-	(13)	-							
KY 2	Oct-2009	-	(57)	-							
KY GT	Oct-2009	513	405								
KY 7 GT (CT)	Oct-2009	47,455	46,367	535,413							
KY7 STM (CA)	Oct-2009	23,235	22,512	611							
KY PLNT	Oct-2009	71,203	69,284	536,024	1.012					6030	
MF1	Oct-2009	187	180	-							
MF2	Oct-2009	3,638	677	-			2785				
NA1	Oct-2009	509,766	473,731	-		219935		475			
NA2	Oct-2009	585,768	542,541	-		252308		791			
NA3	Oct-2009	113,681	101,211	-		47540		5,512	5.78	19367-O	
NA					20.75	519783		6,778	5.78	808270-C	
ST1-4 (CS)	Oct-2009	7,802	6,348	72,767							
ST5 STM	Oct-2009	94,681	90,922	82,731							
ST5 DB1 (CA5A)	Oct-2009			41,082							
ST5 DB2 (CA5B)	Oct-2009			41,650							
ST6 STM (CA6A)	Oct-2009	33,654	32,392	21,670							
ST56 GT (CT)	Oct-2009	203,699	200,063	2,217,910							
ST PLT	Oct-2009	339,836	329,725	2,395,078	1.021						

	Month-CYear	GRS Gen	Net Gen	GasBilled MCF	MMBTU/ MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Nov-2009	-	(152)	14	1.000					
AF2	Nov-2009	-	(171)	-						
AF3	Nov-2009	-	(196)	-						
AFGT	Nov-2009		(111)					0		
AF										73276- O
AFSV	Nov-2009									
CO1	Nov-2009	297,993	265,505	-		152139		297		
CO2	Nov-2009	281,927	251,896	-		143121		749		10722-O
CO					18.2	295260		1046	5.8	815924-C
DB GT (CT)	Nov-2009	59,127	55,986	634,306						
DB STM (CA)	Nov-2009	37,282	37,282	33,319						
DB DB1	Nov-2009			21,482						
DB DB2	Nov-2009			11,838						
DB PLT	Nov-2009	96,409	93,268	667,625	1.02					
HM 123	Nov-2009	2,299	2,247							
HM 4	Nov-2009	5,373	928	-			4319			
KY 1	Nov-2009	-	(13)	-						
KY 2	Nov-2009	-	(55)	-						
KY GT	Nov-2009	127	2	1,823						
KY 7 GT (CT)	Nov-2009	26,776	25,989	279,520						
KY7 STM (CA)	Nov-2009	12,807	12,282	2,003						
KY PLNT	Nov-2009	39,710	38,205	283,346	1.012					6030
MF1	Nov-2009	421	414	-						
MF2	Nov-2009	4,390	967	-			3163			
NA1	Nov-2009	549,983	510,601	-		238838		242		
NA2	Nov-2009	413,443	378,031	-		177481		1,573		
NA3	Nov-2009	445,418	411,431	-		191328		3,328		22717-O
NA					21.5	607647		5,143	5.78	804924-C
ST1-4 (CS)	Nov-2009	16,525	15,001	147,993						
ST5 STM	Nov-2009	76,435	73,327	87,520						
ST5 DB1 (CA5A)	Nov-2009			42,587						
ST5 DB2 (CA5B)	Nov-2009			44,932						
ST6 STM (CA6A)	Nov-2009	-	(34)	-						
ST56 GT (CT)	Nov-2009	118,908	115,506	1,298,250						
ST PLT	Nov-2009	211,868	203,800	1,533,763	1.017					

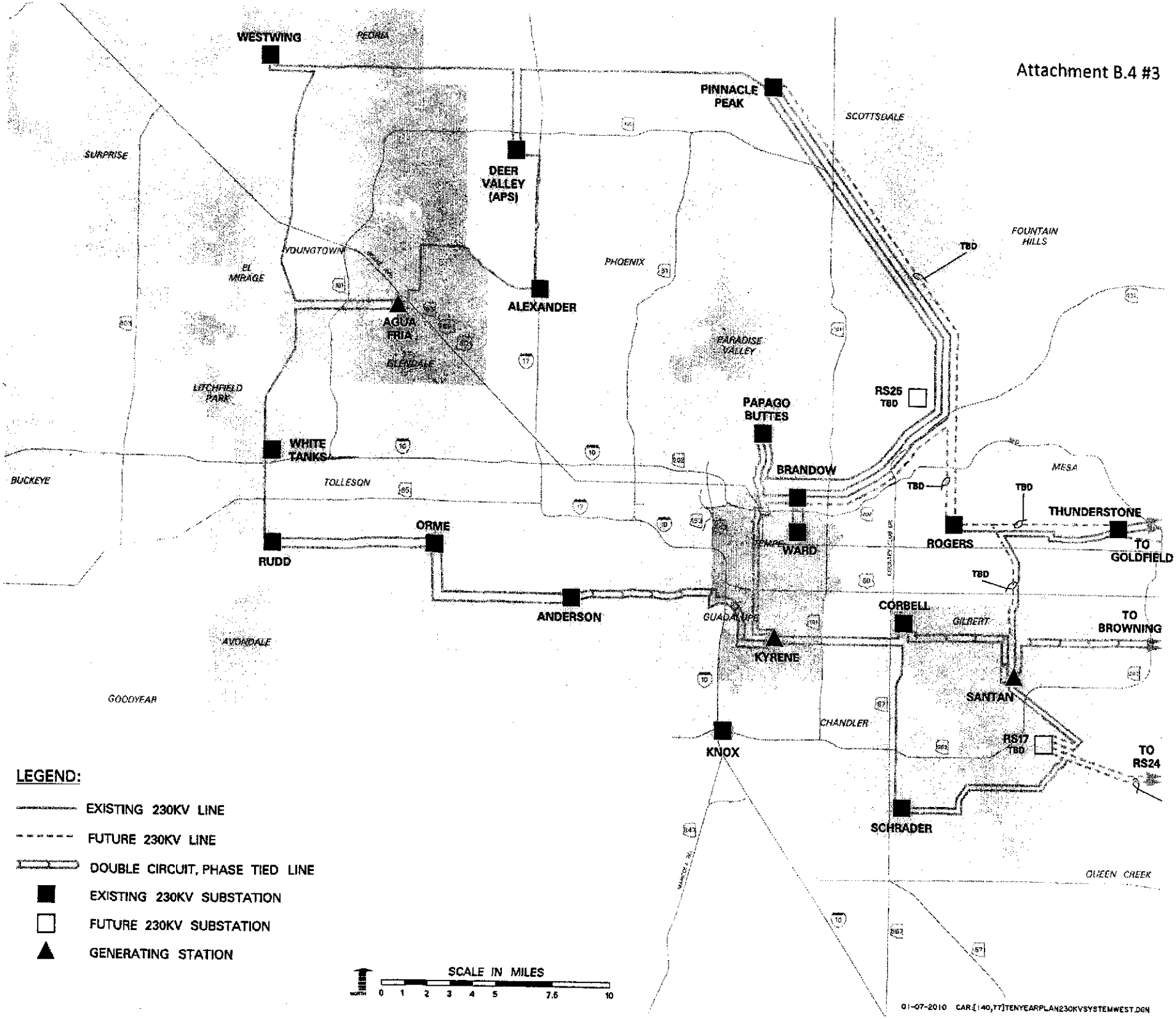
2010, 12

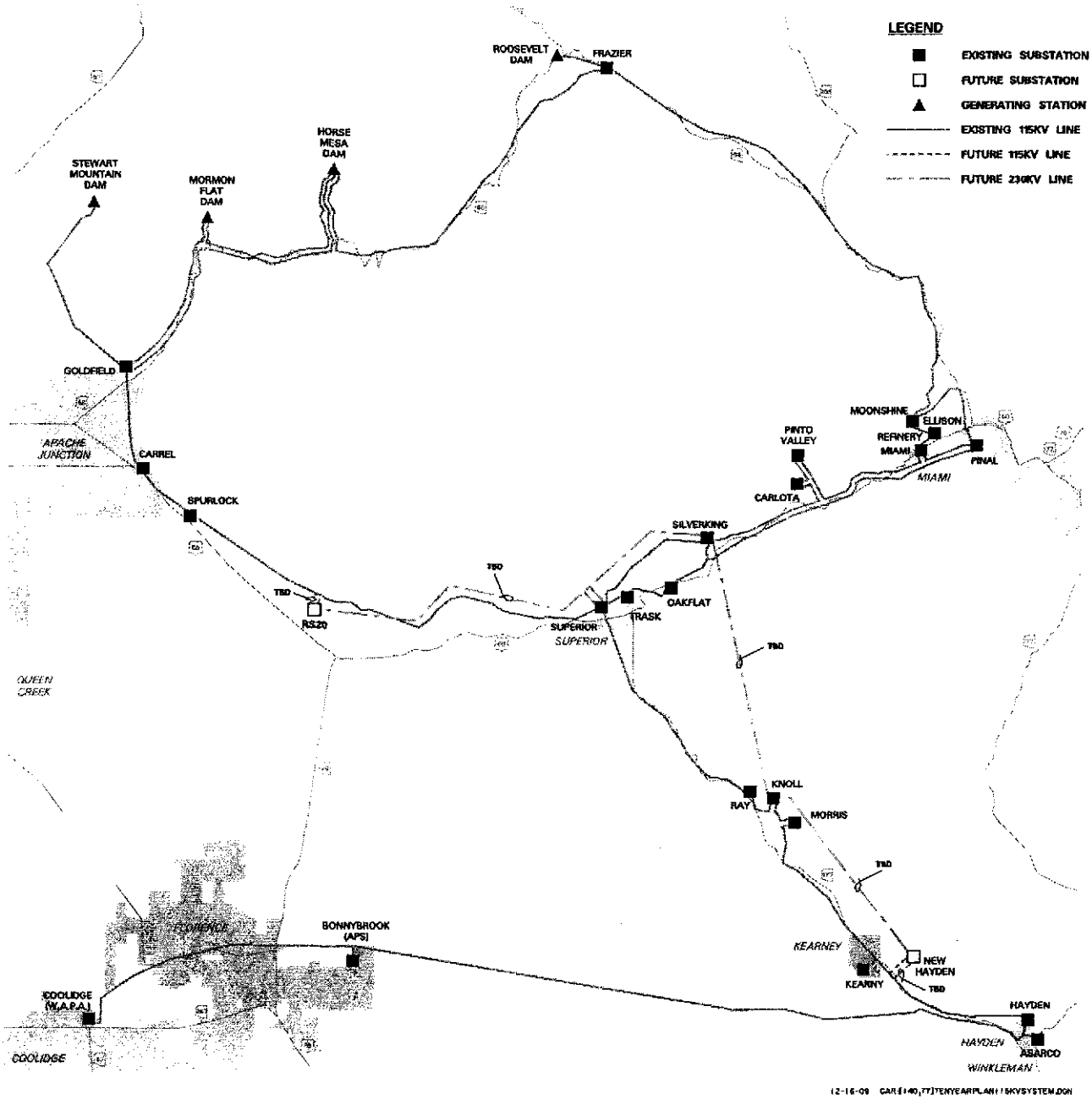
	Month-CYear	GRS Gen	Net Gen	GasBilledMCF	MMBTU/MCF	Consumed Coal (Tons)	Pump MWH	OIL BBL CONSUMED	MMBTU PER	ENDING STOCK
AF1	Dec-2009	-	(257)	-						
AF2	Dec-2009	-	(126)	39						
AF3	Dec-2009	-	(198)	-						
AFGT	Dec-2009	82	(34)	1,918						
AF				1,957	1.011			0		71886- O
AFSV	Dec-2009	-	-							
CO1	Dec-2009	286,481	255,008	-		147578		612		
CO2	Dec-2009	315,807	282,762	-		161075		0		10110-O
CO						308653		612	5.8	635431-C
DB GT (CT)	Dec-2009	54,834	51,527	595,812						
DB STM (CA)	Dec-2009	32,475	32,475	19,706						
DB DB1	Dec-2009			13,901						
DB DB2	Dec-2009			5,805						
DB PLT	Dec-2009	87,309	84,002	615,518	1.018					
HM 123	Dec-2009	2,244	2,179							
HM 4	Dec-2009	4,398	287	-			4016			
KY 1	Dec-2009	-	(14)	-						
KY 2	Dec-2009	-	(29)	-						
KY GT	Dec-2009	190	43	2,694						
KY 7 GT (CT)	Dec-2009	5,840	5,452	63,771						
KY7 STM (CA)	Dec-2009	2,728	2,473	136						
KY PLNT	Dec-2009	8,758	7,925	66,601	1.01734208					6030
MF1	Dec-2009	424	416	-						
MF2	Dec-2009	4,329	(90)	-			4170			
NA1	Dec-2009	582,924	543,491	-		252557		115		
NA2	Dec-2009	576,010	536,941	-		248432		101		
NA3	Dec-2009	591,385	552,501	-		257494		68	5.8	22433-O
NA					21.554	758483		284		663020-C
ST1-4 (CS)	Dec-2009	10,170	8,678	96,396						
ST5 STM	Dec-2009	40,463	38,048	40,276						
ST5 DB1	Dec-2009			16,055						
ST5 DB2	Dec-2009			24,221						
ST6 STM	Dec-2009	1,467	807	1,249						
ST56 GT (CT)	Dec-2009	69,235	66,553	760,136						
ST PLT	Dec-2009	121,335	114,086	898,057	1.017					


NAVAJO
MEAD
MARKETPLACE
MOENKOPI
CHOLLA (APS)
SUGARLOAF
CORONADO
YAVAPAI (APS)
DUGAS (APS)
345kV
TBD
SPRINGERVILLE
MORGAN (APS) 2010
2010
SUN VALLEY (APS) 2014
2016
PINNACLE PEAK (APS) 2010
DELANY (APS) 2014
2014
WESTWING
RUDD
BROWNING
KYRENE
RS20 TBD
PALO VERDE
TBD
HASSAYAMPA
JOJOBA
2011
TBD
SILVER KING
SANTA ROSA
ABEL 2020
TBD
2020
PINAL CENTRAL 2014
PINAL WEST
TBD
2014
2013/2014
NORTH GILA (APS)
2014
(TBD, PLACE HOLDER FOR CATS ONLY, NO CURRENT SRP PLANS)
SAGUARO
TORTOLITA (TEP)
TO NEW MEXICO (SUNZIA)
LEGEND
EXISTING 500KV SUBSTATION
FUTURE 500KV SUBSTATION
EXISTING 500KV LINES
FUTURE 500KV LINES
NORTH
SCALE IN MILES
01-07-2010 CAR(140,77)TENYEARPLAN500KVSYSTEM.DGN


TO PINNACLE PEAK
MESA
TBD
TBD
THUNDERSTONE
GOLDFIELD
ROGERS
APACHE TRAIL
APACHE JUNCTION
TBD
CORBELL
GILBERT
TBD
BROWNING
TO KYRENE
SANTAN
CHANDLER
RS17
TBD
2018
2017
DINOSAUR
TBD
TBD
RS21
TBD
TBD
RS20
TBD
TO SILVER KING
SCHRADER
RS24
2018
2011
QUEEN CREEK
2018
TBD
RS23
TBD
2017
ABEL
2011
LEGEND:
EXISTING 230KV LINE
FUTURE 230KV LINE
DOUBLE CIRCUIT, PHASE TIED LINE
EXISTING 230KV SUBSTATION
FUTURE 230KV SUBSTATION
GENERATING STATION
2011
FLORENCE
COOLIDGE
DESERT BASIN
CASA GRANDE
RANDOLPH SWITCHYARD
(2011)
2014
2014
PINAL CENTRAL
2014
CATSHV03
TBD
SCALE IN MILES
0 1 2 3 4 5 7.5 10
01-07-2010 CAR:[140,77]TENYEARPLAN230KVSYSTEMEAST.DGN

Attachment B.4 #3




LEGEND
EXISTING SUBSTATION
FUTURE SUBSTATION
GENERATING STATION
EXISTING 115KV LINE
FUTURE 115KV LINE
FUTURE 230KV LINE
ROOSEVELT DAM
FRAZIER
HORSE MESA DAM
STEWART MOUNTAIN DAM
MORMON FLAT DAM
GOLDFIELD
APACHE JUNCTION
CARREL
SPURLOCK
TBD
RS20
SUPERIOR
SUPERIOR
TRASK
OAKFLAT
SILVERKING
TBD
PINTO VALLEY
CARLOTA
MOONSHINE
ELLISON
REFINERY
MIAMI
MIAMI
PINAL
TBD
QUEEN CREEK
KNOLL
RAY
MORRIS
TBD
FLORENCE
BONNYBROOK (APS)
KEARNEY
NEW HAYDEN
KEARNY
TBD
COOLIDGE (W.A.P.A.)
COOLIDGE
HAYDEN
HAYDEN
ASARCO
WINKLEMAN

Capacity of SRP Transmission Lines - 2009

Level	Transmission Line	Capacity (MVA)
115	Coolidge/Bonneybrook	120.5
	Bonneybrook/Hayden	120.5
	Ellison/Moonshine	160.3
	Frazier/Horse Mesa	159.4
	Frazier/Moonshine	159.4
	Frazier/Roosevelt	58.8
	Goldfield/Horse Mesa	161.3
	Goldfield/Mormon Flat	79.7
	Goldfield/Carrel/Spurlock	167.3
	Goldfield/Stewart Mountain	79.7
	Hayden/Kearney Tap/Morris	120.5
	Hayden/Asarco	120.5
	Horse Mesa/Mormon Flat	161.3
	Knoll/Morris	120.5
	Knoll/Ray	120.5
	Miami/Pinal	120.5
	Miami/Pinto Valley	120.5
	Moonshine/Pinal	160.3
	Oak Flat/Trask/Superior	161.3
	Ray/Superior	160.3
	Silver King/Oak Flat/Pinal	161.3
	Silver King/Superior/Carlota	161.3
	Carlota/Pinto Valley	161.3
	Spurlock/Superior	167.3
230 kV	Agua Fria/Alexander	780.8
	Agua Fria/Westwing	832.6
	Agua Fria/White Tanks	772.8
	Alexander/Deer Valley[1]	725.0
	Anderson/Kyrene	780.8
	Anderson/Orme #1	772.8
	Anderson/Orme #2	772.8
	Brandow/Kyrene	772.8
	Brandow/Papago Buttes	772.8
	Brandow/Pinnacle Peak #1	362.5
	Brandow/Pinnacle Peak #2	362.5
	Brandow/Ward	362.5
	Browning/Dinosaur	822.6
	Browning/Santan	772.8
	Corbell/Kyrene	772.8
	Corbell/Santan	772.8

	Deer Valley/Pinnacle Peak	717.1
	Deer Valley/Westwing	717.1
	Eldorado/Mead2	988.0
	Goldfield/Silver King	429.4
	Goldfield/Thunderstone #1	362.5
	Goldfield/Thunderstone #2	362.5
	Kyrene/Papago Buttes	772.8
	Kyrene/Knox[6]	772.8
	Liberty/Rudd	725.0
	Orme/Rudd #1	772.8
	Orme/Rudd #2	772.8
	Papago Buttes/Pinnacle Peak	772.8
	Rogers/Thunderstone	386.4
	Rudd/White Tanks	772.8
	Santan/Thunderstone	772.8
	Schrader/Kyrene	772.8
	Schrader/Santan	772.8
500 kV	Coronado/Silver King	1732.1
	Cholla/Colorado[3]	1732.1
	Eldorado/Mohave[2]	2598.0
	Hassayampa/Jojoba/Kyrene	2304.0
	Hassayampa/Pinal West[9]	672.0
	Browning/Kyrene[7]	1732.1
	Browning/ Silver King	2304.0
	Moenkopi/Westwing [4]	712.0
	Navajo/Moenkopi[4]	1792.7
	Navajo/Westwing[4]	1792.7
	Palo Verde/Westwing #1	2598.1
	Palo Verde/Westwing #2	2598.1
	Mead/Perkins/Westwing[5]	1671.0
	Palo Verde/Rudd[8]	3065.7

Notes:

1 SRP has use of 50% of this line. SRP's entitlement is shown.

2 SRP has transmission rights equivalent to its Mohave entitlement. That entitlement is shown.

3 The limiting component is a 2000 amp line trap.

4 These three lines make up the Navajo Southern Transmission System. The total capability of this system is 1860 MVA. SRP's entitlement is 38.3% or 712 MVA.

5 Two phase shifters of 650 MVA are connected to the line. A total capacity of the two-phase shifters is 1300 MVA and SRP's entitlement is 18.1% or 236 MVA for the lines and phase shifters. The system is being operated with these phase shifters bypassed. This is the current rating.

6 APS provides transmission service through a transmission service agreement.

7 The circuit is limited by a 2000 amp breaker open fail contingency.

8 SRP owns 50% of this line. Total capacity of PL-RUD is 2400MW, SRP's entitlement is 1200.

9 Total capacity of HAA-PINAL WEST is 672MW for 500/345kV transformer.

SALT RIVER PROJECT
EXISTING RENEWABLE DATABASE

	NUMBER	RATING	BATTERY
ECONOMIC OFF GRID PV APPLICATION			
Water Delivery Recorders	48	2 watts	1.2 amp hr
Rain and Snow Gauges	20	10 watts	26 amp hr
Ground Water Level Recorders	4	5 watts	6.0 amp hr
Water Measurement Recorder-Granite Reef Monitoring Wells 1,2, &3; NE-1, NE-2) Recharge Facility - Pima Indian Reservation	5	2 watts	1.2 amp hr
Water Measurement	1	50 watts	105 amp hr
Ft. McDowell Delivery (WUA SCADA)	1	50 watts	105 amp hr
Ft. McDowell Return (WUA SCADA)	1	50 watts	105 amp hr
Dead Horse Ditch (WUA SCADA)	1	100 watts	105 amp hr
Agua Fria (WUA SCADA)	1	50 watts	105 amp hr
Consolidated Canal Tail (WUA SCADA)			
Nitrate Measurements			
Mobile Nitrate (5-6) (WUA SCADA) (decommissioned)			
Nitrate (5-10) (WUA SCADA) (decommissioned)			
Communications Estrella Mountain (Microwave/Radio)	1	320 watts	1000 amp hr
Notes: 1) All sites are 12 Vdc 2) WUA SCADA sites use radios to communicate to WUA SCADA master station 3) Rating - power per module(s)			

R&D PV PROJECTS			
Residential grid-connected roof-mounted PV System on the Chandler Research Residence (SRP owned facility) (Decommissioned)	1	1 kW dc	-
Solar Heat Pump Project Demonstration of PV assisted variable speed 5 ton heat pump system on a customer owned residence - (field testing completed January 1996-system decommissioned)	1	3 kW dc	-
Photovoltaic-Battery System Demonstration Demonstration to determine effective ways to use PV-Battery Systems to dispatch PV energy - 2.4 kW dc with 25.2 kwh energy storage (Decommissioned)	1	2.4 kW dc	1050 amp hr
South Mountain Community College PV Power System	1	2 kW dc	-
Residential Photovoltaic Power System – AC Module Technology	1	1 kW	

R&D PV PROJECTS (cont'd)			
Residential Grid Connected PV System SRP Chandler House	1	2 kW	
Scottsdale Community College PV Power System	1	1 kW	
Cesar Chavez High School PV Power System	1	1 kW	
SRP Credit Unit PV Power System	1	1 kW	
Residential Model Home – PV Power System (Project completed – PV Systems transferred to Home Builder)	6	1 kW ea	
Chandler Research House PV Upgrade	1	2 kW	
ASU East PV	1	1kW	
Arizona Falls PV	1	2kW	

SUSTAINABLE PORTFOLIO PROGRAMS			
Crosscut Hydroelectric Plant (1939)	1	3 MW	
South Canal Hydroelectric Plant (1981)	1	1.4 MW	
Agua Fria PV Power Plant (completed March 2001)	1	200 kW	
Tri-Cities Landfill Gas Facility (2001)	1	4 MW	
Rogers PV Power Plant 1 (Relocated to Rogers Substation)	1	100 kW	
Rogers PV Power Plant 2 (Relocated to Rogers Substation)	1	100 kW	
Solar Choice Plant 1 &2 – RELOCATED (Renamed – now Rogers Plant 1 & 2)			
Mesa Red Mountain Library PV Power Plant (2003)	1	25 kW	
Phoenix Park & Ride PV Plant (2003)	1	102 kW	
Arizona Falls Hydroelectric Plant (2003)	1	750 kW	
ASU East Campus Molten Carbonate Fuel Cell (2004)	1	250 kW	
Rogers Solar Park PV Power Plant 3 (2004)	1	200 kW	
Coronado Generating Station PV (2005)	1	25 kW	
Tempe Warehouse PV (2005)	1	75 kW	
Wind Power Purchase Agreement	1	50 MW	

Geothermal Power Purchase Agreement	1	25 MW	
U.S. Bureau of Reclamation PV Plant (2006)	1	10 kW	
Scottsdale Senior Center (2006)	1	32 kW	
Bartlett Dam Low Impact Hydro Plant (2007)	1	45 kW	
Scottsdale School District - Arcadia H.S. Concession Stand (2007)	1	10 kW	
City of Phoenix Pecos Community Center (2007)	1	30 kW	
Power Operations Building PV (2008)	1	75 kW	
Maryvale YMCA PV (2008)	1	10 kW	
Habitat for Humanity PV (2008)	7	3.3kW ea	
Pinal County Call Center PV(2009)	1	180 kW	
Audubon PV (2009)	1	20 kW	
Mesa Community College Planetarium PV (2009)	1	10 kW	
Wind Power Purchase Agreement (2009)	1	63 MW	
Maricopa Solar Purchase Agreement (2009)	1	1.5 MW	
CUSTOMER SOLAR INCENTIVE PROGRAMS			
EarthWise Solar Energy Program: Solar Electric Systems (through 2009)	1,132	8,184 kW DC	
EarthWise Solar Energy Program: Solar Water Heating Systems (through 2009)	1,854	4,805,798 kWh (Energy Savings)	

PARTICIPATION PROJECTS			
Solar Two - Central Receiver (Solar Thermal) (Project Completed)		10 MW	
Santa Clara Molten Carbonate Fuel Cell Demonstration (Project Completed)		1.8 MW	
EPRI – ASU East Residential Fuel Cell RD&D Project (ongoing)	1	5 kW	

ALLIANCES & INDUSTRIAL PARTNERSHIPS			

EPRI - Member: - Renewable Technology Options and Green Power Marketing PVUSA - Participation in utility-DOE consortia to evaluate emerging module technologies and grid-connected utility scale systems in utility environment - Member of PVUSA Technical Review Committee (Project Completed) ALLIANCES & INDUSTRIAL PARTNERSHIPS (cont'd) Solar Two - Member Solar Two Steering Committee and Technical Advisory Committee (Completed) Solar Electric Power Association - Participant in Solar Electric Power Association Work Groups (formerly UPVG) IEEE SCC21 Working Group P1547 – Distributed Resources and Electric Power Systems Interconnecting (concluded) Residential Fuel Cell Demonstration Project CASU, EPRI ACORE – American Council on Renewable Energy	1	5kW	-

MONITORING Solar One (J F Long) A privately owned photovoltaic system located within SRP's service territory - SRP is monitoring system energy production (System not currently operational)		160 kW dc	

SOLAR THERMAL ELECTRIC PROJECTS Sun dish project (decommissioned 2005) Solar dish technology	1	25 kW	
SOLAR THERMAL WATER HEATING *Roof integrated thermo* Siphon prototype water heating system (2003) Solar thermal air conditioner with absorption chiller (2009), decommissioned 2010	3 1	1 kW ea (equivalent) 10 ton cooling capacity	

SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT

BUYBACK SERVICE RIDER

SUPPLEMENTAL TO RESIDENTIAL PRICE PLANS E-23 AND E-26
GENERAL SERVICE PRICE PLANS E-32 AND E-36,
LARGE GENERAL SERVICE PRICE PLANS E-61, E-63 AND E-65

Effective: May 1, 2008
Supersedes: November 1, 2004

APPLICABILITY:

To those cogeneration and small power production customers served by SRP under Standard Price Plans E-23, E-26, E-32, E-36, E-61, E-63 and E-65 or the Critical Peak Experimental Price Plan who purchase power and energy provided by SRP and who are qualified to sell power and energy back to SRP.

CONDITIONS:

A. To segregate load between firm service and buyback service, two or more meters are required. The customer's purchases from and sales to SRP must be measured separately. The customer is required to provide a metering service entrance for all meters and pay the costs for the additional meter(s).

B. At SRP's request, the customer must sign SRP's then-current form of Interconnection Agreement as a condition of service under this rider.

C. The customer shall pay SRP for interconnection costs prior to commencement of service under this rider. Interconnection costs include but are not limited to reasonable costs of connection, switching, relaying, metering, transmission, distribution, safety provisions, engineering studies and administrative costs incurred by SRP directly related to the installation of the physical facilities necessary to permit interconnected operations.

CREDIT:

$$\text{Buyback Credit} = \sum [(\text{Hourly Buyback Energy}) \times (\text{Hourly Indexed Energy Price} - \$0.00017/\text{kWh})]$$

where:

Hourly credits are summed across all hours in the billing cycle. Hourly credits are the product of the hourly energy sold to SRP and the adjusted Hourly Indexed Energy Price. The adjusted Hourly Indexed Price is the product of the Dow Jones Firm On-Peak or Firm Off-Peak Price at Palo Verde (or another comparable index if the Dow Jones Index is no longer available), multiplied by the Hourly Pricing Percentage. The Hourly Pricing Percentage is determined by SRP and "shapes" the Dow Jones On-Peak and Off-Peak Prices, based on historical hourly prices.

The price adjustment of $0.00017/kWh represents the cost incurred by SRP for scheduling, system control and dispatch services.

ADJUSTMENTS:

SRP will increase or decrease billings under this rider in proportion to any taxes, fees, or charges (excluding federal or state income taxes) levied or imposed by any governmental authority and payable by SRP for any services, power, or energy provided under this rider.

SALT RIVER PROJECT AGRICULTURAL IMPROVEMENT AND POWER DISTRICT

RENEWABLE NET METERING RIDER
(Formerly SOLAR NET METERING RIDER)

SUPPLEMENTAL TO RESIDENTIAL PRICE PLAN E-23 AND E-26
GENERAL SERVICE PRICE PLAN E-32 AND E-36
PUMPING PRICE PLAN E-47 AND E-48
LARGE GENERAL SERVICE PRICE PLAN E-61, E-63, AND E-65

Effective: November 2009 Billing Cycle
Supersedes: May 1, *2008*

APPLICABILITY:

To wind, geothermal or solar electricity conversion systems with an Alternating Current electrical peak capability of 100 kilowatts (kW) or less. Limited to customers receiving service under Standard Price Plans E-23, E-26, E-32, E-36, E-47, E-48, E-61, E-63 and E-65 who purchase power and energy provided by SRP and who are qualified to sell power and energy back to SRP. Not available to other customers.

CONDITIONS:

A. Two or more meters may be required for Renewable Net Metering customers receiving service under the applicable price plan. The customer is required to provide a metering service entrance for all meters.

B. At SRP's request, the customer must sign SRP's then-current form of Interconnection Agreement as a condition for service under this rider.

C. The customer shall pay SRP for interconnection costs prior to commencement of service under this rider. Interconnection costs include but are not limited to reasonable costs of connection, switching, relaying, metering, transmission, distribution, safety provisions, engineering studies and administrative costs incurred by SRP directly related to the installation of the physical facilities necessary to permit interconnected operations.

D. The customer's total generation output is sold directly to SRP and the customer's total electric requirements are met by sales from SRP.

E. A customer may cancel service under this rider, and cancellation becomes effective at the end of the billing cycle in which notice is received. The customer may not subsequently elect service under this rider for at least one year after the effective date of cancellation.

NET METERING METHOD:

The kilowatt-hours (kWh) delivered to SRP shall be subtracted from the kWh delivered from SRP for each billing cycle. If the kWh calculation is net positive for the billing cycle, SRP will bill the net kWh to the customer under the applicable price plan for which they take service. If the kWh calculation is net negative for the billing cycle, SRP will carry forward and credit the kWh against customer kWh usage on the next monthly bill. However, if the kWh is net negative at the end of the April billing cycle, SRP will credit the net kWh from the customer at an average annual market price. No credits will be carried forward to the May billing cycle.

ANNUAL CREDIT:

Solar Net Metering Credit = Excess kWh for the April billing cycle * (Annual Average Market Price - $0.00017/kWh)
where:

- *Excess kWh for the April billing cycle is equivalent to the net negative* kWh for the billing cycle.

- Average Annual Market Price is calculated to be a simple average of the Daily On-Peak Market Price from May 1st of the prior year to April 30th of the current year. Daily prices will be taken from the Daily Firm On-Peak Price at Palo Verde published by Dow Jones (or another comparable index if the Dow Jones Index is no longer available).

- The price adjustment of $0.00017/kWh represents the cost incurred by SRP for scheduling, system control and dispatch services.

ADJUSTMENTS:

SRP will increase or decrease billings under this rider in proportion to any taxes, fees, or charges (excluding federal or state income taxes) levied or imposed by any governmental authority and payable by SRP for any services, power, or energy provided under this rider.